Batuhan Usluel

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Address:
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Education

University of Illinois at Urbana-Champaign   *January 2022 - Present*
Bachelor of Science in Computer Science + Economics   Expected Graduation: May 2024
GPA: *3.93*   *(Transfer Student)*

Purdue University   *August 2020 – December 2021*
Bachelor of Science in Computer Science
GPA: *3.56*   Major GPA: *3.70*

Experience

CME Group | Chicago, IL   *May 2023 - August 2023*
Software Engineer Intern
- Returned for a second internship at CME Group, further enhancing the testing application I initially developed.
- Implemented configurable validators, allowing adaptable testing conditions in the development cycle.
- Dramatically improved application performance, cutting execution time from 16 minutes to 2 minutes.
- By catching errors early and pinpointing their locations, saved countless developer hours that would otherwise be spent on debugging.
- Made the application a key tool in daily development, minimizing downstream issues.

CME Group | Chicago, IL   *May 2022 - August 2022*
Software Engineer Intern
- Built an application in Java for real time testing of CMEs buyer seller matching engines.
- Compares outputs of a known working version to a new prototype version.
- Replaced periodic manual error checks with an automated alerting system.
- Deployed Kafka to listen to engine and relay messages for performance and reliability logs.

Projects

RetailGPT | Javascript   *June 2023 - Present*
- Engineered an AI-powered chatbot using GPT-4, enabling automated, intelligent customer support for Shopify merchants.
- Utilized vector databases to index store pages and products, enabling RetailGPT to retrieve and present relevant information upon customer queries.
- Developed a scalable backend with Node.js and Express, deployed and managed on Amazon Web Services (AWS).
- Crafted a responsive frontend using React and JavaScript, focused on providing an intuitive and seamless user experience.

App Performance Tracker | Javascript & Python   *September 2022 - December 2022*
- Developed a responsive and intuitive user interface using React and JavaScript, empowering app developers to track and compare their app's performance against competitors across Google Play and Apple App Stores.
- Implemented real-time review tracking feature for the Play Store, enabling developers to monitor user sentiment and feedback over time, and correlating this with specific updates to their app.
- Designed and implemented a Django backend, serving as a RESTful API that scrapes, processes, and delivers app performance data to the frontend.

iDetect | Python   *February 2022*
- Developed "iDetect," a real-time emotion analysis application, at the iMAKE hackathon, enabling speakers in virtual meetings to gauge audience engagement by analyzing video streams.
- Utilized Python's DeepFace library for facial recognition and emotion classification
- Designed and implemented data visualization components to display real-time emotion statistics via tables and graphs.

Skills

Programming: Java, Python, C++, C, Javascript
Technologies & Tools: Git, JavaFX, Numpy, Pandas, Selenium, Scikit-learn, Maven, Bamboo, Kafka, Jenkins, Nodejs, React, Express, AWS, Confluence
Languages: English (native), Turkish (native), Spanish (elementary)